



International Federation for Information Processing

TC-11
Security and Privacy Protection in Information Processing Systems

Factsheet

WG 11.12

Human Aspects of Information Security and Assurance

Version: June 2022

Introduction

Achieving security within information systems is no longer simply a technical problem but increasingly involves the active participation of people in order to securely design, deploy, configure and maintain systems. Whilst the level and sophistication of this interaction may vary; anyone who is engaged with technology, from administrators of the most complex of IT systems to owners of simple devices, all need to make decisions that have an impact on the security and privacy of their device and information.

Unfortunately, while people represent a key facet in achieving security, evidence demonstrates that this is often the point of failure. With security now impacting all aspects of society, from the young to old, enterprise organisation to the individual, it is imperative that systems are designed, policies are put in place that assist people in ensuring the security of their systems. It is against this context that Working Group 11.12 aims to contribute.

Aims and Scope

The Human Aspects of Information Security and Assurance Working Group seeks to promote all aspects of research that can better support and inform our use of security within information systems.

The scope of the WG11.12 includes any aspects that pertain to the attitudes, perceptions and behaviour of people, and how human characteristics or technologies may be positively modified to improve the ease of use and level of protection provided.

Indicative themes within this remit will include:

- Information security culture
- Awareness and education methods
- Enhancing risk perception
- Public understanding of security
- Usable security
- Psychological models of security software usage
- User acceptance of security policies and technologies
- User-friendly authentication methods
- Automating security functionality
- Non-intrusive security
- Assisting security administration
- Impacts of standards, policies, compliance requirements
- Organizational governance for information assurance
- Simplifying risk and threat assessment
- Understanding motivations for misuse
- Social engineering and other human-related risks
- Privacy attitudes and practices
- Computer ethics and security

Products, services and activities

The list of main activities within the scope of Working Group 11.12 are considered to be as follows:

IFIP conferences (in all variations)

- Working conferences (includes proceedings, printed and / or electronically)
- Workshops (includes proceedings, printed and / or electronically)
- Schools (includes proceedings, printed and / or electronically)

Joint conferences with others

- Similar societies

Projects

- White papers on new developments / policy statements
- Guidelines / best practices / codes (e.g. of ethics)

Membership rules

The IFIP TC11.12 membership is comprised of the officers, members and observers. Members and Observers of the Working Group are expected to be qualified researchers and/or professionals engaged in the field of human factors. Members are nominated by the Chair and subject to IFIP TC-11 approval.

Members are expected to participate in Working Group activities. At a minimum, members must present a paper at a WG 11.12 conference or workshop, or take an active role in the organization of a conference or workshop at least once every three years. Additionally, members will be expected to contribute content to the online forum and repository as appropriate.

Individuals attending WG 11.12 conferences or workshops will be offered observer status. Observers who do not attend at least one WG 11.12 event every three years will lose their status.

A three-year period of inactivity is taken to indicate that a member or observer is no longer interested in the technical area, and can be cause for removing the member from the membership list.

Contact details

Contact of Working Group Chair:

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Annex a. Membership

Officers. current

Chair:

Prof Kerry-Lynn Thomson (Nelson Mandela University, South Africa).
1st three-year term, September 2019 – August 2022.

Co vice-chairs:

Prof Adele Da Veiga (University of South Africa, South Africa)

1st three-year term, September 2019 – August 2022.

Dr Paul Stephens (Canterbury Christ Church University, UK)

1st three-year term, September 2019 – August 2022.

Secretary:

Dr Malcolm Pattinson (University of Adelaide, Australia)

2nd three-year term, September 2019 – August 2022.

Membership list, as of June 2022

Australia	Jeffrey Foster, Western Sydney University Paul Haskell-Dowland, Edith Cowan University William Hutchinson, Edith Cowan University Kathryn Parsons, Defence Science and Technology Group Malcolm Pattinson, University of Adelaide Dong Seong Kim, University of Queensland
Austria	Stefan Bauer, Institute for Information Management and Control Ulrike Hugl, University of Innsbruck
Canada	Bill Bonner, University of Regina
Denmark	Weizhi Meng, Technical University Denmark
Finland	Bilal Naqvi, LUT University
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Netherlands	Jurgen Jansen, NHL Stenden University of Applied Sciences

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Norway	Sokratis Katsikas, Norwegian University of Science and Technology (NTNU) Francois Mouton, PwC Norway Johan van Niekerk, Noroff University College
Saudi Arabia	Asfoor Ayman, Jubail Industrial College
Singapore	Arif Perdana, Singapore Institute of Technology Victor Pomponiu, Singapore University of Technology and Design
South Africa	Adele Da Veiga, University of South Africa Evangelos Frangopoulos, University of South Africa Noluxolo Gcaza, Council for Scientific and Industrial Research (CSIR) Elmarie Kritzinger, University of South Africa Marianne Loock, University of South Africa Khangwelo Muronga, Council for Scientific and Industrial Research (CSIR) Zainab Ruhwanya, University of Cape Town Elmé Smith, University of South Africa Kerry-Lynn Thomson, Nelson Mandela University Maureen van den Bergh, University of Johannesburg Rossouw von Solms, Nelson Mandela University
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Ben Sanders, University of Winchester
Neetash Saxena, Cardiff University
Siamak Shahandashti, University of York
Nader Sohrabi Safa, University of Wolverhampton
Paul Stephens, Canterbury Christ Church University
Geordie Stewart, Risk Intelligence
Theo Tryfonas, University of Bristol
Emma Williams, University of Bristol

**United States of
America**

Sanchari Das, University of Denver
Dorothy Denning, Naval Postgraduate School
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Wu He, Old Dominion University
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Kim-Kwang Raymond Choo, University of Texas at San Antonio
Mahak Sachdeva, Aprio
Terence Sadler, Regis University
Angela Scipio, Post University
Lance Spitzner, SANS Technology Institute
Jeffrey Stanton, Syracuse University
James Voorhees, General Dynamics Information Technology
Merrill Warkentin, Mississippi State University
Robert Yanus, Pace University

Officers, history

Prof Steven Furnell – Chair – May 2010 – August 2013
Prof Nathan Clarke – Chair – September 2013 – August 2019